Dharmsinh Desai University, Nadiad

Faculty of Technology

Department of Computer Engineering

ASSIGNMENT 9

Subject: Smart Device Programming

Submitted To:

Prof. Jignesh Shah

CE Department

Submitted By:

Aneri V. Sonani

Student ID : 20CEUOG138

Roll No.: CE136

Now we will create one class Quote inside quote.dart file. And move out quote template widget to another file. So this will be better approach.

```dart
List<Quote> quotes = [
  Quote(text: 'Talk is cheap, Show me the code', author: 'Author 1'),
  Quote(text: 'Real programmers count from 0', author: 'Author 2'),
  Quote(text: 'If the code works, Do not touch it', author: 'Author 3'),
];
```

```dart
body: Column(
  //children: quts.map((quote) => Text(quote)).t
  //children: quotes.map((quote) => quoteTemplat
  children: quotes.map((quote) => QuoteCard(
      quote: quote,
      delete: (){
        setState(() {
          quotes.remove(quote);
        });
      }
  )).toList(),  // QuoteCard


),  // Column
```

All the designing code inside QuoteCard widget. And this is inside file quote_card.dart.

```dart
import 'package:flutter/material.dart';
import 'quote.dart';

class QuoteCard extends StatelessWidget {
    final Quote quote;
    final VoidCallback delete;

    QuoteCard({required this.quote, required this.delete});
    //const QuoteCard({Key? key}) : super(key: key);

    @override
    Widget build(BuildContext context) {
      return Card(
        margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
        child: Padding(
          padding: const EdgeInsets.all(12.0),
          child: Column(
```

Here we can delete quotes by just press the button. Because onpress property of button is doing the task of removing quote. Anyway we can come back to our original state by just doing hot restart.

```dart
import 'package:flutter/material.dart';

class HomePage extends StatelessWidget {
  const HomePage({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Color(0xff87c3c9),
      appBar: AppBar(
        title: Text(' Home'),
        centerTitle: true,
        backgroundColor: Color(0xA60A4964),
        elevation: 0.0,
      ), // AppBar
      body: Column(
        children: [
          TextButton.icon(
            onPressed: () {
              Navigator.pushNamed(context,'/quote');
            },
            icon: Icon(Icons.quora),
            label: Text('Quote App'),
            style: TextButton.styleFrom(
              primary: Colors.white,
              backgroundColor: Color(0xA60A4964), // Background Color
            ),
          ), // TextButton.icon
        ],
      ), // Column
```
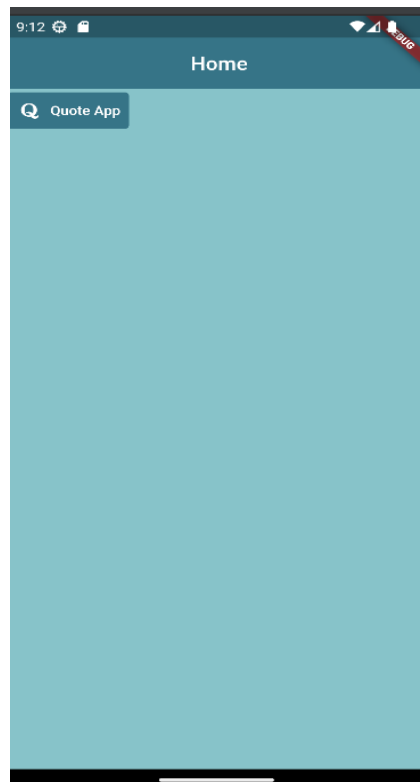
Now we will see routing in flutter. Using this we can switch from one page to another. Write below code in main.dart file and create one file named home.dart, it is necessary to import it in main.dart.


```dart
void main() {
  runApp(MaterialApp(
    initialRoute: '/',
    routes: {
      '/': (context) => HomePage(),
      //'/quote': (context) => SixthClass(),
      //'/home': (context) => HomePage(),
      //'/': (context) => SecondClass(),
      //'/': (context) => ThirdClass(),
    },
  )); // MaterialApp
}
```
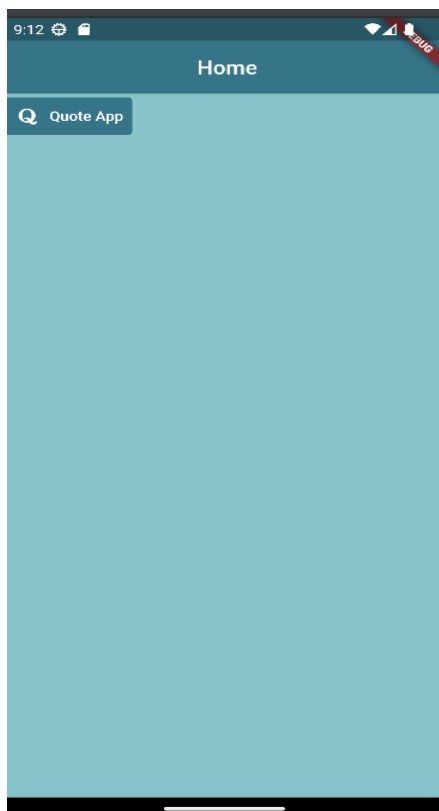
Set onpressed property of this button such that after clicking on that button we can move to our previous quote app.

```
body: Column(
  children: [
    TextButton.icon(
      onPressed: () {
        Navigator.pushNamed(context,'/quote');
      },
      icon: Icon(Icons.quora),
      label: Text('Quote App'),
      style: TextButton.styleFrom(
        primary: Colors.white,
        backgroundColor: Color(0xff850E35), // Background Color
      ),
    ), // TextButton.icon
  ],
), // Column
```

```
void main() {
  runApp(MaterialApp(
    initialRoute: '/',
    routes: {
      '/': (context) => HomePage(),
      '/quote': (context) => SixthClass(),
      //'/home': (context) => HomePage(),
      //'/': (context) => SecondClass(),
      //'/': (context) => ThirdClass(),
    },
  )); // MaterialApp
}
```

We can go back to home page by just pressing back arrow.

Github Repository Link :

https://github.com/AneriSonani09/SDP_Labs/tree/master

AneriSonani09